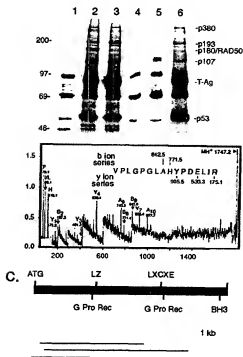




Serial No. 10080,943
 Inventor: Field, Loren J. et al
 p193 Proteins and Nucleic Acids, and Uses Thereof
 Attorney Docket No. 7037-458/U-099

Figure 1





Serial No: 10080.943
 Inventor: Field, Loren J et al
 p193 Proteins and Nucleic Acids, and Uses Thereof
 Attorney Docket No: 7037-453/U-699

FIGURE 2

a.

MVGEIYREFRVPVIGQGLHAYPDELIRORVGHNGHPRYQIRWLIIRGGDD	50
GDRDSTVDCAKHILLWMSDEIYANCHKMLGENGQVIAPSRSTREAGAL	100
DKSVLGEMETDVKSLIQRLARQLESCVGTVPAPPLHTVHVLSAYASISIP	150
LTGIFKDRRVVNLMMHMLSSPDYQIRMSAGRMIALSSSDAGTRTQILLS	200
LSQQEALIEKHLDPDSRCALLALFAQATLITEHPMSFSGVQLPQVPGRLIFS	250
LVKRYLHVTFLLDRNGDAGDQQAQNNFSPEELNVGRGRLEFESMAMGT	300
LISKLVMQMRWDGASSRPESSSSSTPQPRPAQFRPYTQFRPRSSRRFPRA	350
SPASFNTYALYVRDTRLRPMRVRMLENYESIAAGDEQQFRQSDNGVPPAQ	400
VLWDSHTMTYVVMHMLEITGFEDISDVIDEELQELQANGALSIVPPS	450
QRWKPITQLFASPYVVPESKDRERSNLTQASWELLFFPIRQLSEARLH	500
IVDLLQDHLSESRVLDYDMLPFLTVPVDLAQDLLLSLPQQLSDSALRDLF	550
SCSVYRYKGPKEVLVGHLSYPFVPGAQPNLPGANESSEAKDPPLQASAPAL	600
QRLVESLGPGEVLVLELQALGSEAPQETSEVKSCLLQLEQPOPPALMR	650
SIDTSASNTKLTHTVLEILMQLVNFPEALLLPWHEAMDAVCVTCLSRPNWT	700
REVLQELIFFLHRLTTSRDYAVILNQHGARDASIKVLEKHRGKLELAQE	750
LQDMVSKCEKHAKLYRKLTTNLLGGCIQMVLGQIEDHRRTRHPIQIPFD	800
VFLRYLQCSSEEMKKNRYMEKVEVSSNPQRASRLTDNMPKTYWESGORA	850
GSNFIITLHMRPGVIRQLTLLVAGEDSSYNPAWVWVCGGINSKSVNKEIN	900
TVNVMPASRVTLEENLTRFWPIIQIRIKRCQGGGINTRIGLGVLAGPKP	950
TFWVPVFEQLCRRTFLFYMVRQAQMSQDIAEDRRSLHLHSSBLNGALRHE	1000
QNFARFLPDMEAAQALSKTCWEALVPLVQNTSPDEDTSLGWLDDQ	1050
YLGCRAAAYNPQSRAAAFSSRVRLTHTLVHVEPREAAPVVAIPRSKGR	1100
NRRIHMSYLTITROLPSIMKNTLRCHRSVVVEQMNKPLSASWKDDFPVR	1150
YCHRYVYLQKSSSELFPRAAFLAMRNQCADAVRRLPFLRAAHVKKQFA	1200
BHIDQRIQGSRMGGARGMEMLAQQLRCLESVLIPSPLEIATTEHYQHYY	1250
MADRLLSVGSSWLEQAVLEQIGPCFPRLPQOMQLSNVSEKLRQPHVY	1300
QLQLDQELLKLDTEKKIQVAHEDSGREDEKS KKBESAIGEAAMAMASEE	1350
DQCKEBOESEEGBEGEDRESEERYKGTMPFVVCVLVTPRFPVPAVSCMLN	1400
PATCLPAYLRGTINHYTNFYSKQSRSSLEKEPQRRLQNTWQGRAIVQFG	1450
QGILHVSTVQMMLLLHANNQKEVSVSLQAISELPPDVLHRAIGPLTSSR	1500
GPLDLQEQKNVPGVGLKIRDSEEPFRPRGNVWLIPPQTYLQAEAEGRN	1550
MEKRRNLLNCLVVRILKAGDEGLHVDRLVYLVLVAWEKGPCPARGLVSS	1600
LQCATCRSSDVLSCILHLVKGTLRRHDDRPQVLYAVPTVYMEPHMES	1650
LWPGSAGPNPPLTHTLTQIRSGVTPYASCTDNHTFTTFR	1699

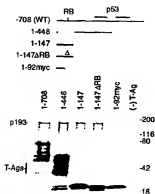
b.

p193:	LKAHGE
Hrk:	LKALGE
Bim:	LRRIGE
Bik:	LACIGE
Bid:	LAQIGE
Blk:	LACIGE
EGL-1:	LAAMCDD
BAD:	LRRMSDE
BNIP-3:	LKKNSDW



Serial No. 10080,943
 Inventor: Field, Loren J. et al
 p193 Proteins and Nucleic Acids, and Uses Thereof
 Attorney Docket No. 7037-458/1U-099

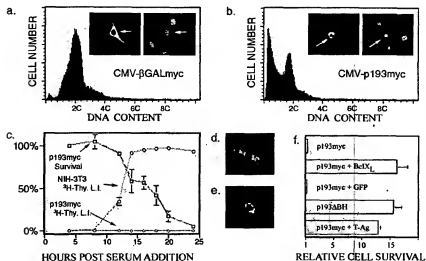
Figure 4





Serial No. 10080,943
 Invention: Field, Loren J. et al
 p193 Proteins and Nucleic Acids, and Uses Thereof
 Attorney Docket No. 7037-4580U-099

Figure 5.



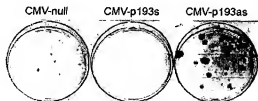


Serial No. 10/080,943
 Inventor: Field, Loren J. et al
 p193 Proteins and Nucleic Acids, and Uses Thereof
 Attorney Docket No. 7037-458/1U-099

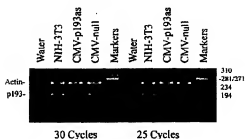
Figure 7

A. NIH-3T3 colony growth assay:

- Transfect with various constructs
- Impose G418 selection
- Stain with gentian violet



B. RT-PCR analysis:

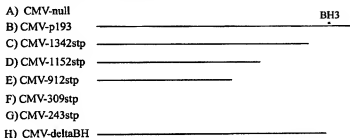




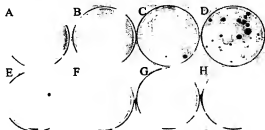
Serial No. 10/080,943
 Inventor: Field, Loren J. et al
 p193 Proteins and Nucleic Acids, and Uses Thereof
 Attorney Docket No. 7037-4581U-099

Figure 8.

Structure of CMV expression vectors with nested p193
 C-terminal truncations.



Colony growth assay.

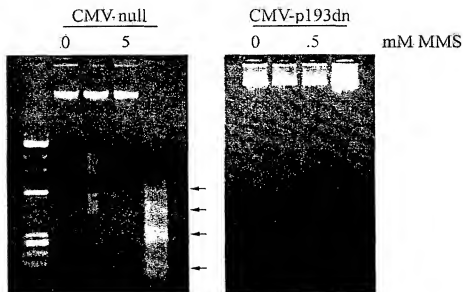




Serial No. 10/080,943
 Inventor: Field, Loren J et al.
 p193 Proteins and Nucleic Acids, and Uses Thereof
 Attorney Docket No. 7037-458/TU-099

Figure 8C

p 93dn Blocks MMS induced Apoptosis
 in NIH 3T3 Cells

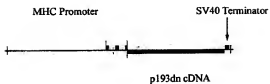




Serial No. 10080,943
Inventor: Field, Loren J. et al
p193 Promoter and Nucleic Acids, and Uses Thereof
Attorney Docket No. 7037-458/10-099

Figure 9.

MHC-p193dn Transgene





Serial No. 10A00,943
Inventor: Field, Loren J et al
p193 Proteins and Nucleic Acids, and Uses Thereof
Attorney Docket No. 7037-438/1U-099

Figure 10.

Northern Blot of transgene expression in MHC-p193dn transgenic mice

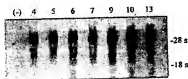
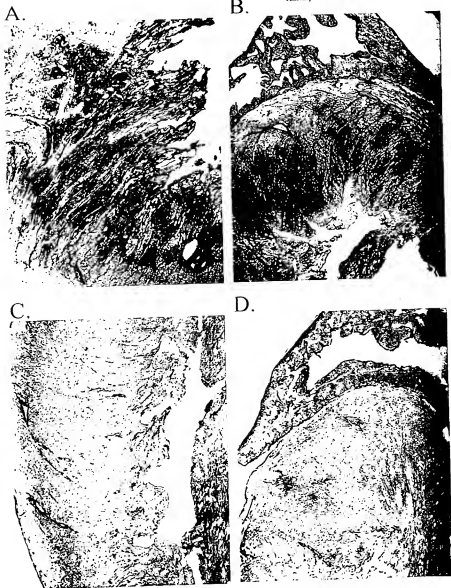




Figure 11.

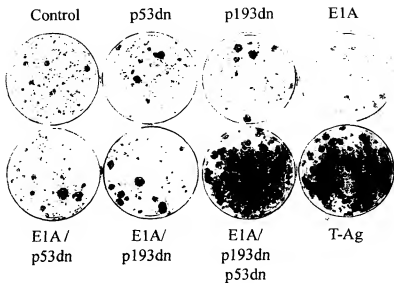
Serial No. 10/080,943
Inventor: Field, Loren J. et al.
p193 Proteins and Nucleic Acids, and Uses Thereof
Attorney Docket No. 7037-4584U-099





Serial No. 10/080,943
Inventor: Field, Loren J. et al.
p193 Proteins and Nucleic Acids, and Uses Thereof
Attorney Docket No. 7037-458/01-099

Figure 12

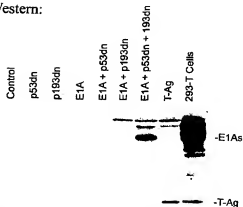




Serial No. 10/080,943
 Inventor: Field, Loren J. et al.
 p193 Proteins and Nucleic Acids, and Uses Thereof
 Attorney Docket No. 7037-458/TU-099

Figure 13

A) Western:



B) DNA Fragmentation:



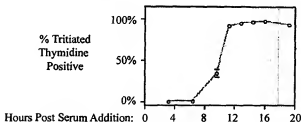


Serial No. 10080,943
 Inventor: Field, Loren J. et al.
 p193 Proteins and Nucleic Acids, and Uses Thereof
 Attorney Docket No. 7037-458(TU-099)

Figure 14

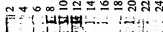
p193 is Expressed in G₁/S of the Cell Cycle:

A) Cell Cycle Synchronization:



B) Western Analysis of p193 Expression:

Hours Post Serum Addition:





Serial No. 10080,943
Inventor: Field, Loren J. et al.
p193 Proteins and Nucleic Acids, and Uses Thereof
Attorney Docket No. 7037-4580U-099

Figure 15

Isoproterenol induces growth in cardiomyocytes
which co-express p193dn and p53dn.

- ISO

+ ISO

